

Segment ID: 0511

Water body name: Cow Bayou Tidal

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Aquatic Life Use

2002	Dissolved Oxygen grab average	Use Concern	5 mile reach near FM 1442 (north crossing)	5	61	35	
2002	Dissolved Oxygen grab average	Use Concern	6 mile reach near FM 105	6	55	25	
2002	Dissolved Oxygen grab average	Use Concern	Lower 5 miles	5	57	14	
2002	Dissolved Oxygen grab average	Use Concern	Upper 4 miles	4	20	9	
2002	Dissolved Oxygen grab minimum	Not Supporting	5 mile reach near FM 1442 (north crossing)	5	61	28	
2002	Dissolved Oxygen grab minimum	Not Supporting	6 mile reach near FM 105	6	55	18	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 5 miles	5	57	2	
2002	Dissolved Oxygen grab minimum	Partially Supporting	Upper 4 miles	4	20	5	
2004	Dissolved Oxygen 24hr average	Not Supporting	5 mile reach near FM 1442 (north crossing)	5	5	5	
2002	Dissolved Oxygen 24hr average	Not Assessed	6 mile reach near FM 105	6	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 5 miles	5	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper 4 miles	4	0		
2004	Dissolved Oxygen 24hr minimum	Not Supporting	5 mile reach near FM 1442 (north crossing)	5	5	5	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	6 mile reach near FM 105	6	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 5 miles	5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper 4 miles	4	0		
2002	Acute Metals in water	No Concern-Limited Data	5 mile reach near FM 1442 (north crossing)	5	5	0	
2002	Acute Metals in water	No Concern-Limited Data	6 mile reach near FM 105	6	5	0	
2002	Acute Metals in water	No Concern-Limited Data	Lower 5 miles	5	5	0	
2002	Chronic Metals in water	No Concern-Limited Data	5 mile reach near FM 1442 (north crossing)	5	5		

Segment ID: 0511

Water body name: Cow Bayou Tidal

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Aquatic Life Use (continued)

2002	Chronic Metals in water	No Concern-Limited Data	6 mile reach near FM 105	6	5		
2002	Chronic Metals in water	No Concern-Limited Data	Lower 5 miles	5	5		
2004	Overall Aquatic Life Use	Not Supporting	5 mile reach near FM 1442 (north crossing)	5			
2004	Overall Aquatic Life Use	Not Supporting	6 mile reach near FM 105	6			
2004	Overall Aquatic Life Use	Fully Supporting	Lower 5 miles	5			
2004	Overall Aquatic Life Use	Partially Supporting	Upper 4 miles	4			

Contact Recreation Use

2002	Enterococci single sample	Not Assessed	5 mile reach near FM 1442 (north crossing)	5	0		
2002	Enterococci single sample	Not Assessed	6 mile reach near FM 105	6	0		
2002	Enterococci single sample	Not Assessed	Lower 5 miles	5	0		
2002	Enterococci single sample	Not Assessed	Upper 4 miles	4	0		
2002	Enterococci geometric mean	Not Assessed	5 mile reach near FM 1442 (north crossing)	5	0		
2002	Enterococci geometric mean	Not Assessed	6 mile reach near FM 105	6	0		
2002	Enterococci geometric mean	Not Assessed	Lower 5 miles	5	0		
2002	Enterococci geometric mean	Not Assessed	Upper 4 miles	4	0		
2002	Fecal coliform single sample	Fully Supporting	5 mile reach near FM 1442 (north crossing)	5	56	14	
2002	Fecal coliform single sample	Fully Supporting	6 mile reach near FM 105	6	49	11	
2002	Fecal coliform single sample	Not Supporting	Lower 5 miles	5	54	20	
2002	Fecal coliform single sample	Use Concern	Upper 4 miles	4	21	6	
2002	Fecal coliform geometric mean	Fully Supporting	5 mile reach near FM 1442 (north crossing)	5	56		117
2002	Fecal coliform geometric mean	Fully Supporting	6 mile reach near FM 105	6	49		110
2002	Fecal coliform geometric mean	Not Supporting	Lower 5 miles	5	54		283

Segment ID: 0511

Water body name: Cow Bayou Tidal

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Contact Recreation Use (continued)

2002	Fecal coliform geometric mean	Not Supporting	Upper 4 miles	4	21		223
2002	Overall Recreation Use	Fully Supporting	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall Recreation Use	Fully Supporting	6 mile reach near FM 105	6			
2002	Overall Recreation Use	Not Supporting	Lower 5 miles	5			
2002	Overall Recreation Use	Not Supporting	Upper 4 miles	4			

General Use

2002	Water Temperature	Fully Supporting	5 mile reach near FM 1442 (north crossing)	5	61	0	
2002	Water Temperature	Fully Supporting	6 mile reach near FM 105	6	55	0	
2002	Water Temperature	Fully Supporting	Lower 5 miles	5	57	0	
2002	Water Temperature	Fully Supporting	Upper 4 miles	4	20	0	
2002	pH	Use Concern	5 mile reach near FM 1442 (north crossing)	5	57	7	
2002	pH	Fully Supporting	6 mile reach near FM 105	6	52	3	
2002	pH	Fully Supporting	Lower 5 miles	5	57	0	
2002	pH	Partially Supporting	Upper 4 miles	4	20	5	
2002	Overall General Use	Fully Supporting	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall General Use	Fully Supporting	6 mile reach near FM 105	6			
2002	Overall General Use	Fully Supporting	Lower 5 miles	5			
2002	Overall General Use	Partially Supporting	Upper 4 miles	4			

Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	5 mile reach near FM 1442 (north crossing)	5	2		
2002	Human Health Criteria Metals	Not Assessed	6 mile reach near FM 105	6	2		
2002	Human Health Criteria Metals	Not Assessed	Lower 5 miles	5	2		
2002	Overall Fish Consumption Use	Not Assessed	5 mile reach near FM 1442 (north crossing)	5			

Segment ID: 0511

Water body name: Cow Bayou Tidal

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Fish Consumption Use (continued)

2002	Overall Fish Consumption Use	Not Assessed	6 mile reach near FM 105	6			
2002	Overall Fish Consumption Use	Not Assessed	Lower 5 miles	5			
2002	Overall Fish Consumption Use	Not Assessed	Upper 4 miles	4			

Overall Use Support

2004		Not Supporting	5 mile reach near FM 1442 (north crossing)	5			
2004		Not Supporting	6 mile reach near FM 105	6			
2004		Not Supporting	Lower 5 miles	5			
2004		Not Supporting	Upper 4 miles	4			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	5 mile reach near FM 1442 (north crossing)	5	11	0	
2002	Ammonia Nitrogen	Not Assessed	6 mile reach near FM 105	6	9		
2002	Ammonia Nitrogen	No Concern	Lower 5 miles	5	31	3	
2002	Ammonia Nitrogen	Not Assessed	Upper 4 miles	4	2		
2002	Nitrite + Nitrate Nitrogen	No Concern	5 mile reach near FM 1442 (north crossing)	5	34	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	6 mile reach near FM 105	6	28	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 5 miles	5	36	6	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Upper 4 miles	4	4		
2002	Orthophosphorus	No Concern	5 mile reach near FM 1442 (north crossing)	5	37	0	
2002	Orthophosphorus	No Concern	6 mile reach near FM 105	6	30	0	
2002	Orthophosphorus	No Concern	Lower 5 miles	5	38	0	
2002	Orthophosphorus	Not Assessed	Upper 4 miles	4	7		
2002	Total Phosphorus	Not Assessed	5 mile reach near FM 1442 (north crossing)	5	1		
2002	Total Phosphorus	Not Assessed	6 mile reach near FM 105	6	7		

Segment ID: 0511

Water body name: Cow Bayou Tidal

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Nutrient Enrichment Concern (continued)

2002	Total Phosphorus	No Concern	Lower 5 miles	5	17	0	
2002	Total Phosphorus	Not Assessed	Upper 4 miles	4	0		
2002	Overall Nutrient Enrichment Concerns	No Concern	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall Nutrient Enrichment Concerns	No Concern	6 mile reach near FM 105	6			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 5 miles	5			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 4 miles	4			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	5 mile reach near FM 1442 (north crossing)	5	0		
2002	Chlorophyll a	Not Assessed	6 mile reach near FM 105	6	6		
2002	Chlorophyll a	Not Assessed	Lower 5 miles	5	0		
2002	Chlorophyll a	Not Assessed	Upper 4 miles	4	0		

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	6 mile reach near FM 105	6	1		
2002	Overall Sediment Contaminant Concerns	Not Assessed	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	6 mile reach near FM 105	6			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 5 miles	5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 4 miles	4			

Segment ID: 0511**Water body name: Cow Bayou Tidal**

Tidal Stream

Sabine River Basin

Total size:

20 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	6 mile reach near FM 105	6			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 5 miles	5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 4 miles	4			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	5 mile reach near FM 1442 (north crossing)	5			
2002	Overall Narrative Criteria Concerns	No Concern	6 mile reach near FM 105	6			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 5 miles	5			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 4 miles	4			

Overall Secondary Concern

2002		No Concern	5 mile reach near FM 1442 (north crossing)	5			
2002		No Concern	6 mile reach near FM 105	6			
2002		No Concern	Lower 5 miles	5			
2002		No Concern	Upper 4 miles	4			